

DIY

Worthwhile projects you can build on your own



10-meter telescopic dipole antenna

With [Solar Cycle 25](#) starting to come into full view, more and more hams are talking about 10 meters. And many among them are talking about POTA, SOTA, and other portable operations. This 10-meter portable setup is quick and easy, requiring little in the way of assembly.

Parts list

Two [MFJ-1974 telescopic whips](#)

50 feet of [RG-8X coaxial cable](#)

One [MFJ-347 dipole mount](#)

One [non-conductive broom handle](#)

Assembly

The assembly is embarrassingly simple. Tighten each telescoping whip (in the retracted position) to one 3/8-24 stud on one side of the dipole mount. Repeat that on the other side.

To test this dipole assembly, I clamped the dipole mount onto a broom handle, then attached the coax to the SO-239 antenna connector of the mount. I then slipped the broom handle into one end of a [fiberglass military pole](#), extended both telescoping whips fully, then added more poles under that one, for a total of sixteen feet (four poles) high.

As you can see from the analyzer reading, the results are good for 10 meters.

